

ABSTRACT

A peripheral viewing system for a vehicle includes a pair of digital cameras, each positioned on the exterior of the vehicle proximately positioned where a side view mirror would typically be mounted. An additional digital camera is mounted on the vehicle roof immediately adjacent the top edge of the rear window. A plurality of LCD's each discretely associated with a corresponding camera are mounted within the vehicle passenger compartment at a location that is readily observable by the vehicle driver. The driver can panoramically view trailing traffic by observing the LCD's in the passenger compartment. One or more infrared phototransistor receivers are positioned at the rear of the vehicle for detecting oncoming vehicles. If the driver attempts to change lanes and activates a turn signal, a warning message will be emitted within the passenger compartment if any of the transistors detect an approaching vehicle within a predetermined range of the vehicle.